

<b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>		1. CONTRACT ID CODE		PAGE OF PAGES 1 6	
2. AMENDMENT/MODIFICATION NO. 1		3. EFFECTIVE DATE 10/09/2009		4. REQUISITION/PURCHASE REQ. NO.	
6. ISSUED BY CODE		PS32-B		5. PROJECT NO. (If applicable)	
Procurement Office George C. Marshall Space Flight Center National Aeronautics and Space Administration Marshall Space Flight Center, AL 35812		7. ADMINISTERED BY (If other than Item 6) John Busbey/256.544.0896 FAX 256.544.9162 Email: john.a.busbey@nasa.gov		CODE PS32-B	
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code)		(x)		9A. AMENDMENT OF SOLICITATION NO. NNM08ZPS004E	
		X		9B. DATED (SEE ITEM 11) 09/22/2009	
				10A. MODIFICATION OF CONTRACT/ORDER NO.	
				10B. DATED (SEE ITEM 13)	
CODE		FACILITY CODE			

## 11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

X The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers ☐ is extended, X is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

(a) By completing Items 8 and 15, and returning \_\_\_\_\_ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

## 13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)


E. IMPORTANT: Contractor is not, X is required to sign this document and return \_\_\_\_\_ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

The purpose of this amendment is to answer questions concerning the above list solicitation. All terms and conditions of the solicitation remain the same.

The bid date, time and location remain the same. The bids to be opened: October 22, 2009 at 1:00 p.m. local time at the Huntsville Madison County Chamber of Commerce, located at 225 Church ST, Huntsville, AL 35810.

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)	
		John Busbey	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA	16C. DATE SIGNED
(Signature of person authorized to sign)		BY  (Signature of Contracting Officer)	10/09/2009

NSN 7540-01-152-8070

PREVIOUS EDITION UNUSABLE

30-105

STANDARD FORM 30 (Rev. 10-83)

Prescribed by GSA  
FAR (48 CFR) 53.243

**Response to Questions**  
**for**  
**Solicitation NNM09ZPS004E**  
**MSFC 4707 - MPTA Facility Modification for Vertical Weld**  
**Amendment 1**

**Q1. Does the area being coated already have an epoxy coating on it or is it new concrete?**

A1. There is NOT an epoxy floor system currently in place. Please see sheets S2 for the existing slab demolition, and sheet S3 shows the new concrete placement and sheet S4 shows sections of the pit. Most of the concrete will be new, but there is a small amount of concrete around the pit that will be existing to be prepared for the new flooring.

**Q.2 Is the inside of the pit and vertical surfaces (which does not require epoxy) on the inside diameter of the Vertical Weld area?**

A.2 The pit is inside the limits of the new Vertical Weld Area. The pit is shown on sheet S3 with sections on S4.

**Q.3. Is the electrical contractor responsible for including UCS Drawings in our package or is this under someone else's scope?**

A.3. Bid in accordance with plans and specifications

**Q.4. According to Sheet A1 of the bid documents, Note 5 Elevator Alternate, there is a requirement for new vinyl composition tile; however, no specification was provided for this material. Please provide.**

A.4. Refer to the revised specification section 14219; revised 10/7/09.

**Q.5. According to Sheet A1 of the bid documents, Note 6 Elevator Alternate, there is a requirement for new signage; however, no specification was provided for this material. Please provide.**

A.5. Refer to the revised specification section 14219; revised 10/7/09. (see attached)

**Q.6. Section 01230 lists five (5) Alternates; 3 base bid and 2 Alternate 1. The Bid form only has a place for two prices – Base and Alternate. Is a breakdown required in accordance with the items as indicated in 01230?**

A.6. There is only one base bid and one alternate. Work described in Paragraphs 3.1.A, 3.1.B, and 3.1.C should be included in the Base bid. Work described in Paragraphs 3.1.D and 3.1.E should be included in Alternate 1.

**Q.7. Project drawing sheet FAC-IW-4707-UCS1. Note 16 states that programming will be performed by the BASSCO Contractor. Please confirm this responsibility.**

A.7. Programming will be performed by the NASA MSFC BASSCO Contractor.

## SECTION 14219 - ELECTRIC TRACTION ELEVATOR UPGRADES

### PART 1 - GENERAL

#### 1.1 SUMMARY

- A. This Section includes upgrades of the existing electric traction passenger elevators including replacement and upgrades of the existing west-facing elevator car door and addition of a new south-facing car door for access to the movable platform.
- B. See Division 9 Section "Painting (Professional Line Products)" for finish painting in elevator cars.

#### 1.2 SUBMITTALS

- A. Product Data: Include capacities, sizes, performances, operations, safety features, finishes, and similar information.
- B. Shop Drawings: Show plans, elevations, sections, and large-scale details indicating modifications to the existing car, doors and control system at each landing, relationships with other construction, and locations of equipment and signals. Indicate required modifications to the existing car, elevator car doors, landing doors and frames, and elevator mechanisms.
- C. Maintenance manuals.
- D. Inspection and Acceptance Certificates and Operating Permits: As required by authorities having jurisdiction for normal, unrestricted elevator use.

#### 1.3 QUALITY ASSURANCE

- A. Regulatory Requirements: Comply with local governing regulations and with applicable provisions in ASME A17.1, "Safety Code for Elevators and Escalators."
  - 1. Project's Seismic Risk Zone: 1 or greater.

### PART 2 - PRODUCTS

#### 2.1 MATERIALS AND COMPONENTS

- A. General: Provide manufacturer's recommended elevator car gate entrance/barrier system, mechanisms and car and control modifications and as required for a complete system for both the existing and the new car gate.
- B. Existing Car Frame and Platform: Welded steel units.

C. Finish Materials:

1. Enameled-Steel Sheet: Cold-rolled steel sheet complying with ASTM A 366/A 366M, matte finish, stretcher-leveled standard of flatness; hot-rolled steel sheet complying with ASTM A 569/A 569M may be used for door frames. Provide with factory-applied enamel finish.
  - a. Colors: As selected from manufacturer's full range.
2. Prime-Painted Steel Sheet: Cold-rolled steel sheet, ASTM A 366/A 366M, or hot-rolled steel sheet, ASTM A 569/A 569M, with factory-applied rust-inhibitive primer.

2.2 OPERATION SYSTEMS

- A. Provide manufacturer's microprocessor operation system capable of controlling both south and west-facing car gate openings individually, permitting car operation to all fixed floor locations (west-facing car door) as well as to any position occupied by the movable platform (south-facing car door), regardless of its position. Control system will assure car only stops at fixed or movable platform locations and only the appropriate door opens.
- B. Auxiliary Operations:
  1. Firefighter's Service: Keyswitch in car control station removes car from standard operation and allows it to respond only to Firefighter car calls. Key cannot be removed from keyswitch when car is in Firefighter's service.
- C. Security Features: Security features do not affect emergency firefighters' service.
  1. Car-to-landing Interlock: Interlock, fail-safe position switch to confirm landing position and to prevent elevator car gate opening at a position not occupied by either a fixed floor landing or by the movable platform in its parked position.
  2. Car-to-Movable Platform Feature with Interlock: Feature, activated by a keyswitch at Ground Level will permit operation of car to any point occupied by the movable platform throughout the platform's full range. This control function shall be interlocked with the movable platform to prevent use if the platform is in operation. On deactivation by keyswitch, car will resume normal operation only to the fixed floor landings.

2.3 SIGNAL EQUIPMENT

- A. General: Fabricate any required lighted elements of acrylic or other permanent, non-yellowing translucent plastic.
- B. Car Control Stations: Control stations mounted adjacent to car doors, unless otherwise indicated.
  1. Include one car control station in the elevator; equip with required keyswitch, if any.
- C. Emergency Communication System: Complying with ASME A17.1 and the U.S. Architectural & Transportation Barriers Compliance Board's "Americans with Disabilities Act (ADA), Accessibility Guidelines (ADAAG)." On activation, system dials preprogrammed number of

monitoring station and identifies elevator location to monitoring station. System provides two-way voice communication without using a handset and provides visible signals that indicate when system has been activated and when monitoring station has responded. System is contained in flush-mounted cabinet, with identification, instructions for use, and battery backup power supply.

- D. Landing Push-Button Stations: Replace and upgrade if required landing push-button stations at each landing and at the movable platform for the elevator.

## 2.4 DOOR REOPENING DEVICES

- A. Infrared Array: Uniform array of 36 or more microprocessor-controlled, infrared light beams projecting across car entrance. Interruption of one or more of the light beams shall cause doors to stop and reopen.
  - 1. Nudging Feature: After car doors are prevented from closing for a predetermined adjustable time, a loud buzzer shall sound and doors shall begin to close at reduced kinetic energy.

## 2.5 ELEVATOR CAR ENCLOSURE MODIFICATIONS

- A. General: Provide modifications to the existing steel-framed car enclosure with non-removable wall panels, upgrading accessories, gates, power gate operators, sills (thresholds), and lighting.
  - 1. Floor Finish: Manufacturer's standard ~~vinyl composition tile~~ **solid vinyl floor tile equal to ASTM F 1700; embossed surface; 0.100 inch thick; 12 by 12 inch size; class 1 per ASTM E 648.**
  - 2. Fabricate car gate frame integrally with the wall of car.
  - 3. Accordion gate: New platform-access gate to match design and operation of existing gate.
  - 4. Sills: Extruded aluminum, with grooved surface, 1/4 inch thick.
  - 5. **Signage: Manufacturer's standard call station pictograph signs matching hall push-button stations with text and graphics according to ASME A17.1, Appendix H. Locate signage at each car stop position at each fixed floor and at the movable platform.**

## PART 3 - EXECUTION

### 3.1 INSTALLATION

- A. Comply with manufacturer's written instructions for required modifications to the existing system.

### 3.2 FIELD QUALITY CONTROL

- A. Acceptance Testing: On completion of elevator modifications and upgrades and before permitting use (either temporary or permanent) of elevator, perform acceptance tests as required and recommended by ASME A17.1 and governing regulations and agencies.

3.3 DEMONSTRATION

- A. Engage a factory-authorized service representative to train Owner's maintenance personnel to adjust, operate, and maintain elevator. Review emergency provisions and train personnel in procedures to follow in identifying sources of operational failures or malfunctions. Refer to Division 1 Section "Demonstration and Training."

3.4 PROTECTION

- A. Temporary Use: Do not use elevators for construction purposes unless permitted by COTR.
  - 1. Provide full maintenance service by skilled, competent employees of elevator Installer for elevators used for construction purposes.

END OF SECTION 14210